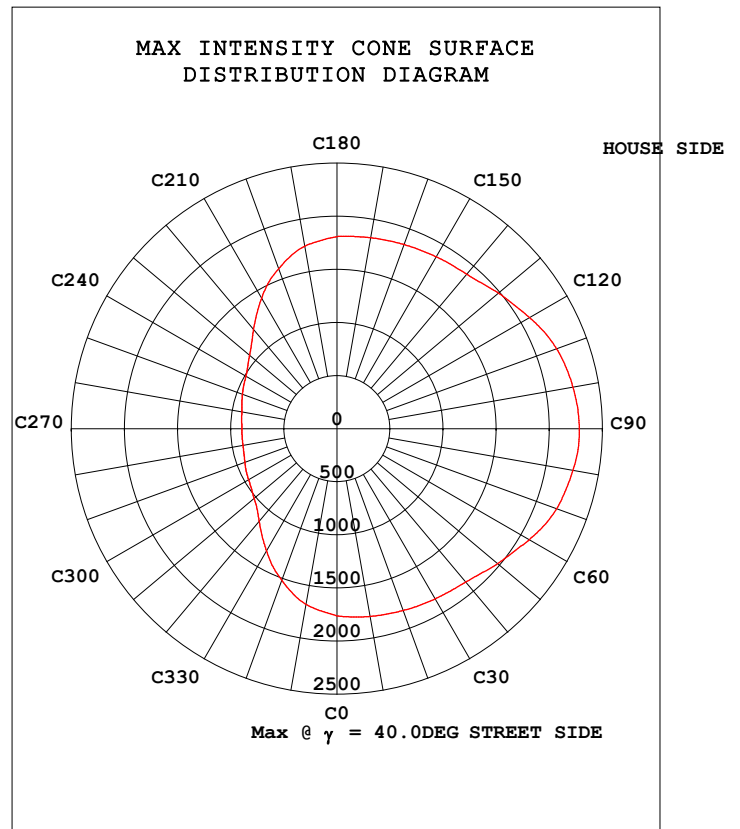
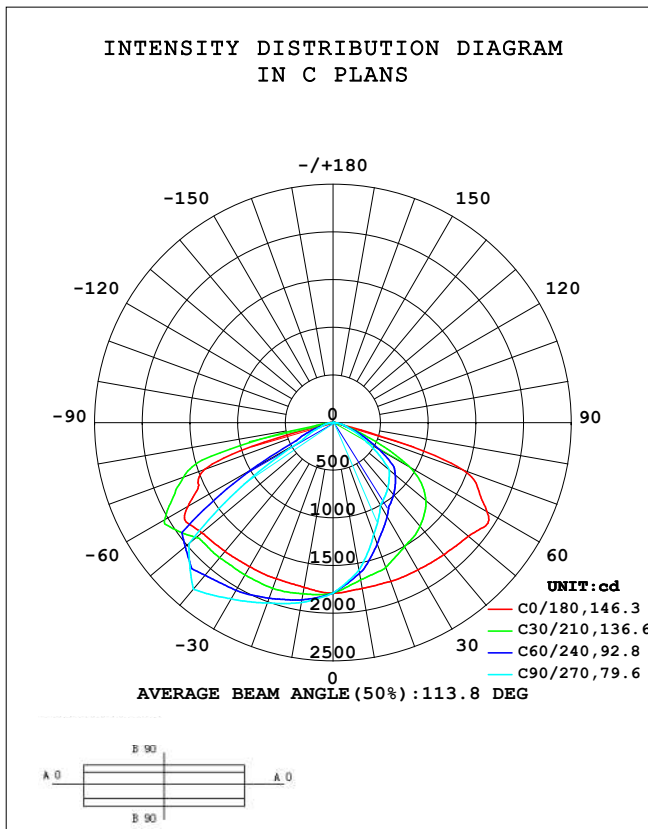


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.1923A P:40.93W PF:0.9639 Lamp Flux:6127.13x1 lm		
NAME: OPCITYIII-40W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.69 lm/W			
MODEL	LED	Imax (cd)	2281	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	40	LOR (%)	100.0	$\eta$ street_down (%)	50.6
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	6127	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	6127.13	MAXIMUM @ (C, $\gamma$ )	90, 40.0	$\eta$ house_down (%)	49.4
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	17.091



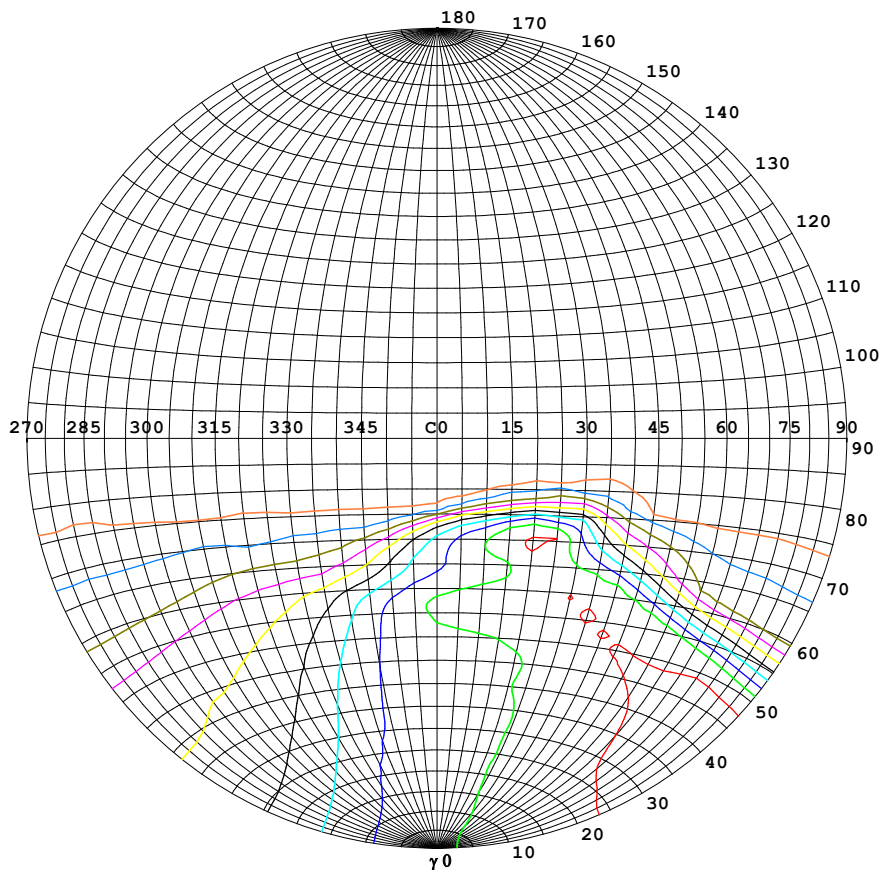
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

Note: SLI: Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1923A P:40.93W PF:0.9639 Lamp Flux:6127.13x1 lm		
NAME: OPCITYIII-40W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



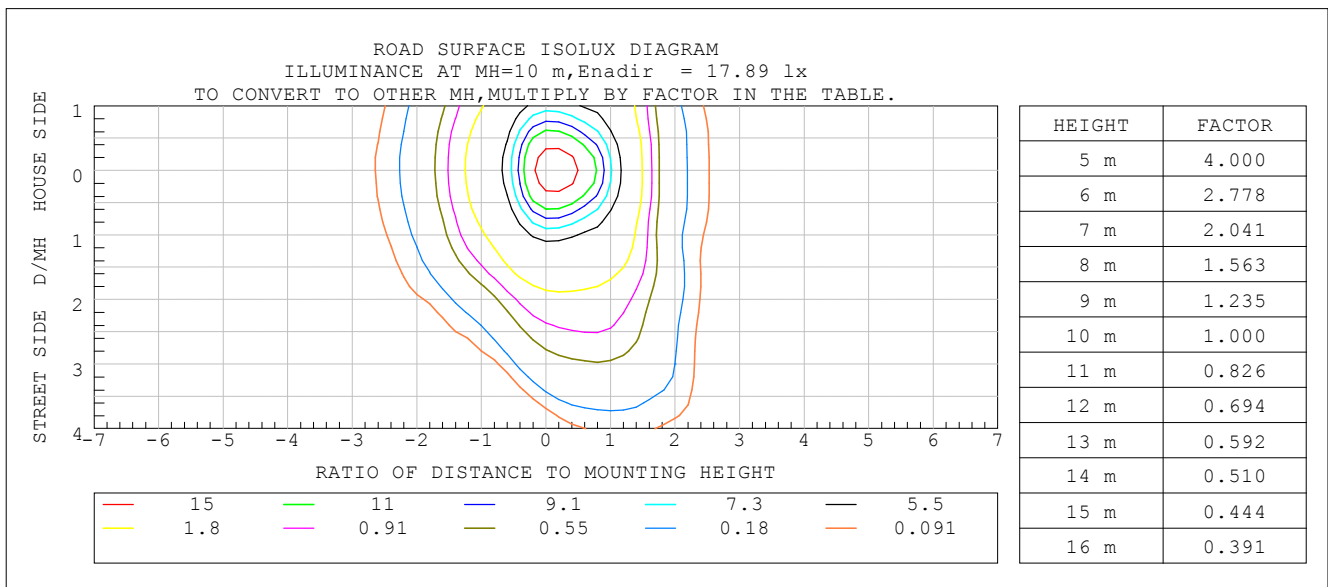
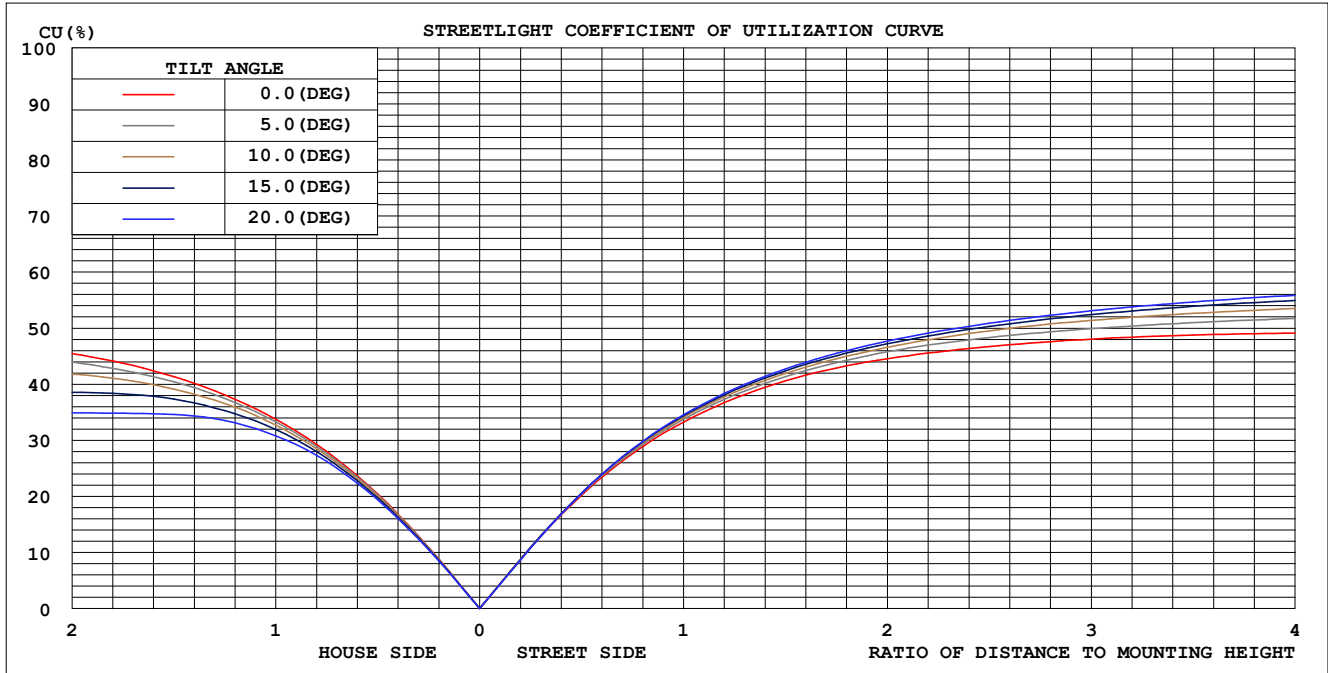
Classification:

IES:Type IV - Very Short  
CIE:Broad - Short  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:45.52cd/klm  
Max.At90:3.729cd/klm  
Max.80-90:45.52cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	2281
90%	2053
80%	1825
70%	1597
60%	1369
50%	1141
40%	913
30%	684
20%	456
10%	228
5%	114

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.1923A P:40.93W PF:0.9639 Lamp Flux:6127.13x1 lm		
NAME: OPCITYIII-40W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

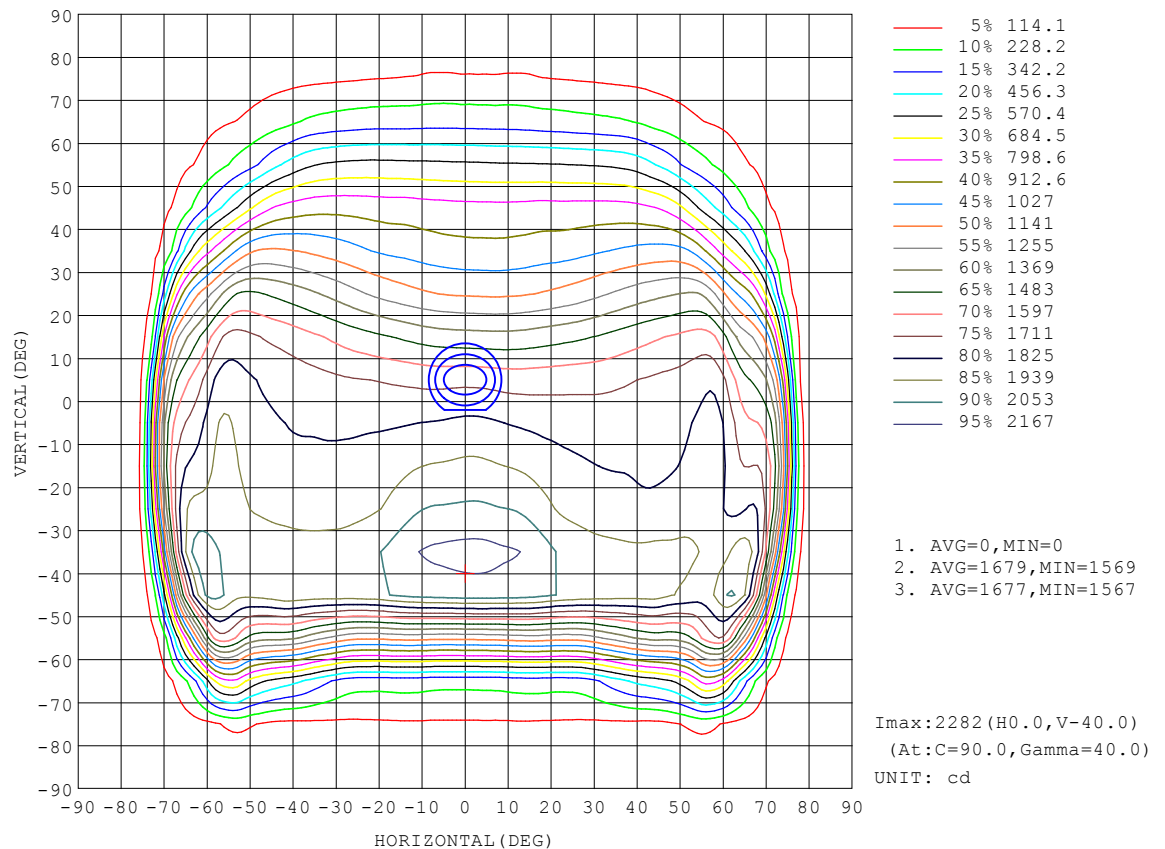
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	1778	1828	1853	1827	1777	1710	1681	1708	0- 5	42.49	42.49	0.69,0.69
10	1754	1856	1917	1860	1766	1637	1573	1625	5- 10	125.7	168.2	2.74,2.74
15	1744	1886	1964	1896	1766	1571	1412	1545	10- 15	205.7	373.8	6.1,6.1
20	1743	1906	2012	1917	1772	1475	1250	1436	15- 20	280.8	654.6	10.7,10.7
25	1747	1909	2073	1921	1778	1383	1125	1330	20- 25	351.0	1006	16.4,16.4
30	1746	1910	2135	1922	1783	1299	999.4	1238	25- 30	416.6	1422	23.2,23.2
35	1753	1911	2208	1923	1795	1217	948.1	1151	30- 35	478.3	1901	31,31
40	1764	1924	2281	1934	1809	1138	896.8	1066	35- 40	538.4	2439	39.8,39.8
45	1778	1991	2126	2008	1828	1073	833.7	1010	40- 45	591.7	3031	49.5,49.5
50	1796	2073	1971	2101	1855	978.2	770.6	931.4	45- 50	630.5	3661	59.8,59.8
55	1850	1990	1176	2005	1920	869.2	588.3	834.3	50- 55	641.6	4303	70.2,70.2
60	1759	1828	381.8	1825	1867	711.8	406.0	696.9	55- 60	586.1	4889	79.8,79.8
65	1555	1217	261.9	1197	1685	459.4	296.5	445.9	60- 65	475.0	5364	87.5,87.5
70	1429	678.2	142.1	662.0	1449	245.0	187.0	235.3	65- 70	380.8	5745	93.8,93.8
75	439.5	177.8	98.95	176.2	308.3	126.0	128.8	122.6	70- 75	255.2	6000	97.9,97.9
80	76.99	78.33	55.79	78.47	59.28	75.87	70.62	73.65	75- 80	94.62	6094	99.5,99.5
85	39.70	20.60	0	20.83	23.20	20.82	0	20.05	80- 85	28.57	6123	99.9,99.9
90	22.85	0	0	0	19.91	0	0	0	85- 90	4.090	6127	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-22

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

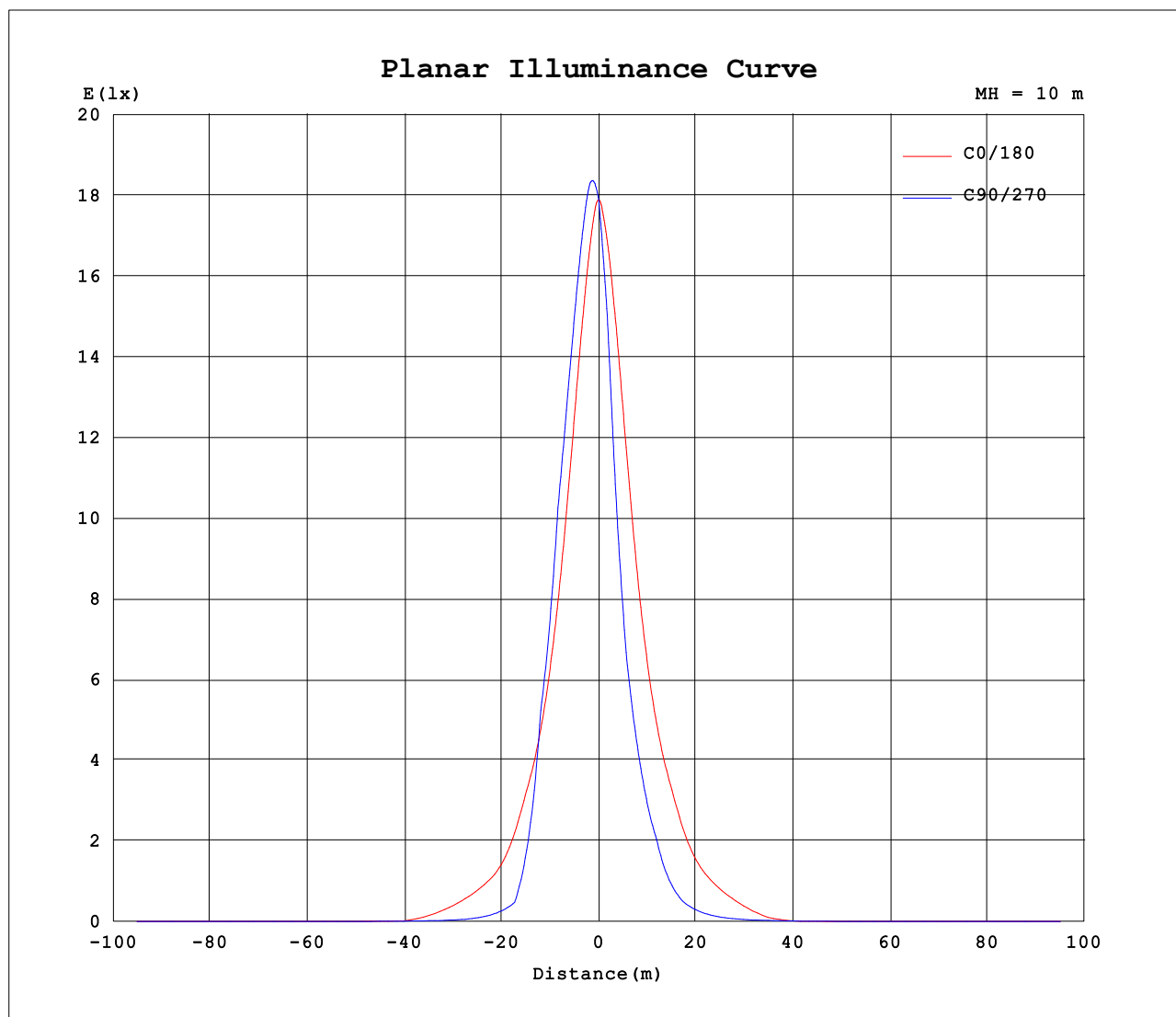
Test:U:220.9V I:0.1923A P:40.93W PF:0.9639 Lamp Flux:6127.13x1 lm		
NAME: OPCITYIII-40W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



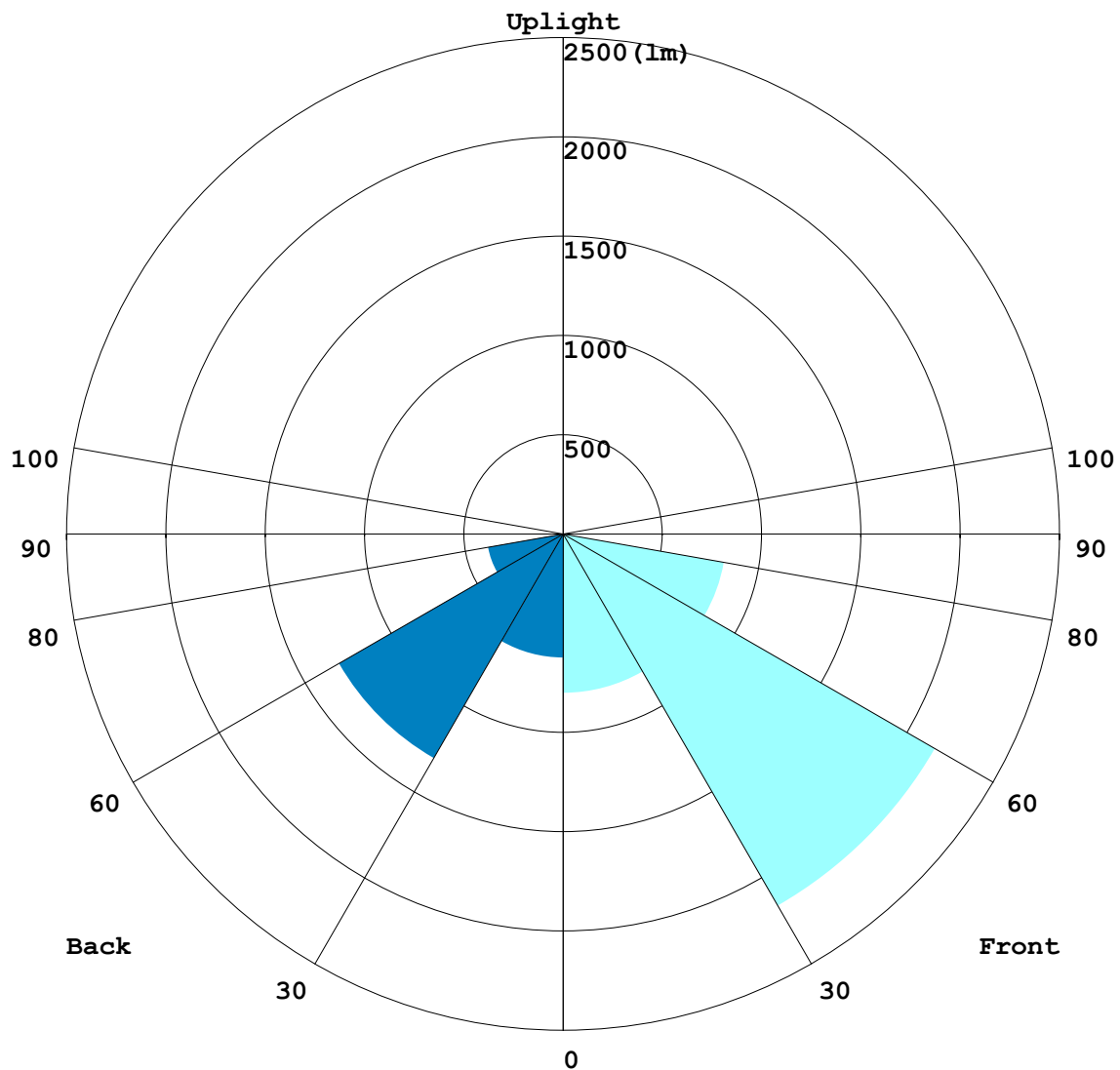
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.9V I:0.1923A P:40.93W PF:0.9639 Lamp Flux:6127.13x1 lm		
NAME: OPCITYIII-40W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.9V I:0.1923A P:40.93W PF:0.9639 Lamp Flux:6127.13x1 lm		
NAME: OPCITYIII-40W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	800.06	13.1
FM - Front-Medium(30-60)	2162.4	35.3
FH - Front-High(60-80)	822.21	13.4
FVH - Front-Very High(80-90)	18.351	0.3
Total Forward Light	3803	62.1

BL - Back-Low(0-30)	622.21	10.2
BM - Back-Medium(30-60)	1304.2	21.3
BH - Back-High(60-80)	383.34	6.3
BVH - Back-Very High(80-90)	14.306	0.2
Total Back Light	2324.1	37.9

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2324.1	0	2324.1
Street Side	3803	0	3803

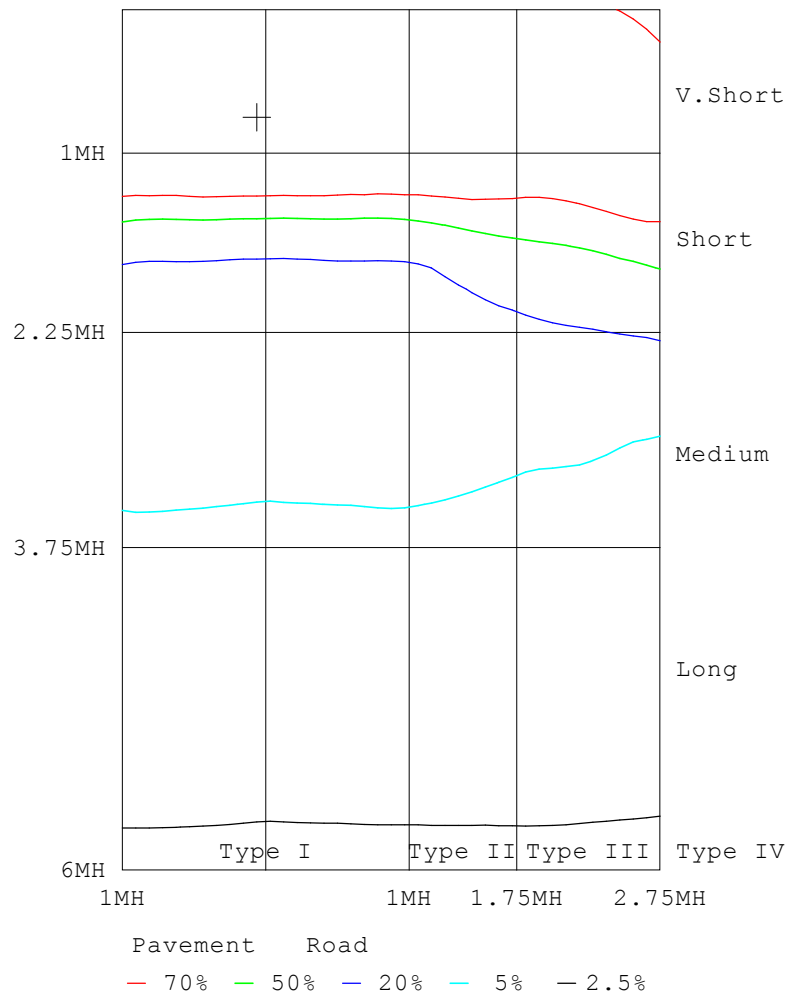
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.1923A P:40.93W PF:0.9639 Lamp Flux:6127.13x1 lm		
NAME: OPCITYIII-40W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-22

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```